

METHOD AND SYSTEM FOR SELECTING AND DESIGNING EYEGLASS FRAMES

ABSTRACT OF THE DISCLOSURE

5 The present invention provides a method and apparatus for designing
and visualizing the shape of eyeglass lenses and of the front rims of eyeglass frames,
and for allowing the customer to modify the design by changing the shape and style
interactively to suit his/her preference and perceived character. The present invention
comprises an interface for a lens grinding machine that allows the retailer to
10 manufacture the selected frame at the store for certain specified styles, or allows the
retailer to transmit the shape and style data to a manufacturer that can implement the
selected design and deliver it directly to the customer. Another embodiment of the
present invention is to provide a method for designing, visualizing, modifying the
shape and style of eyeglass lenses and frames remotely through the Internet or other
communication channel, and to transmit the design to a manufacturer, which enables
the customer to select and purchase eyeglasses directly from manufacturers.